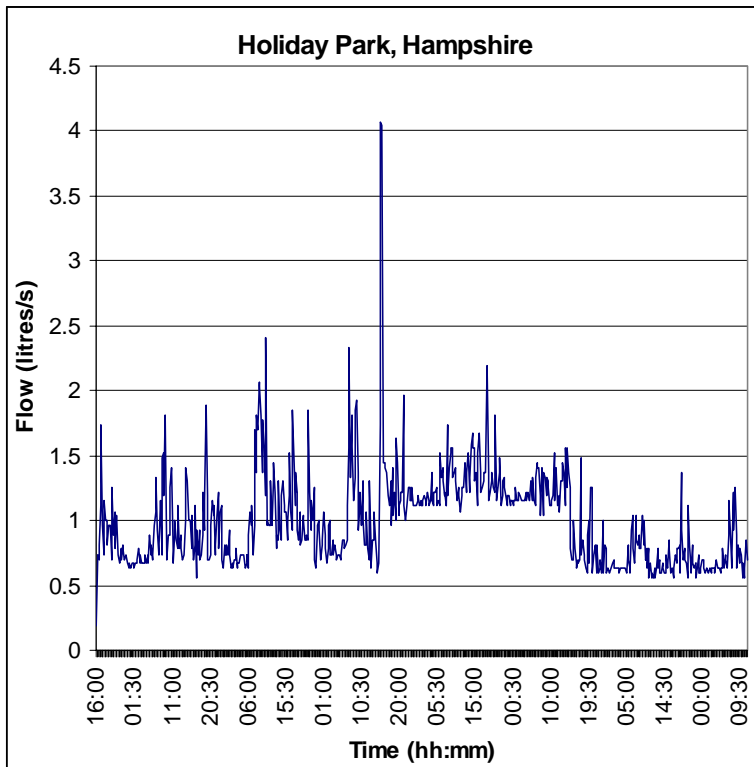


Information Sheet: Flow Log Case Study, Holiday Park



Determining the size of the problem

A flow log was conducted at a caravan park that was aware that their water system was suffering from leakage. The log showed that water usage on the site never fell below 0.5 litres per second.

As there was little water use on site during the night most of the water being "used" was leaking from pipes.

The lowest flow rate was used to calculate the cost of water lost and this provided the means to establish the pay back period for the repairs that were to be conducted to address the leakage.

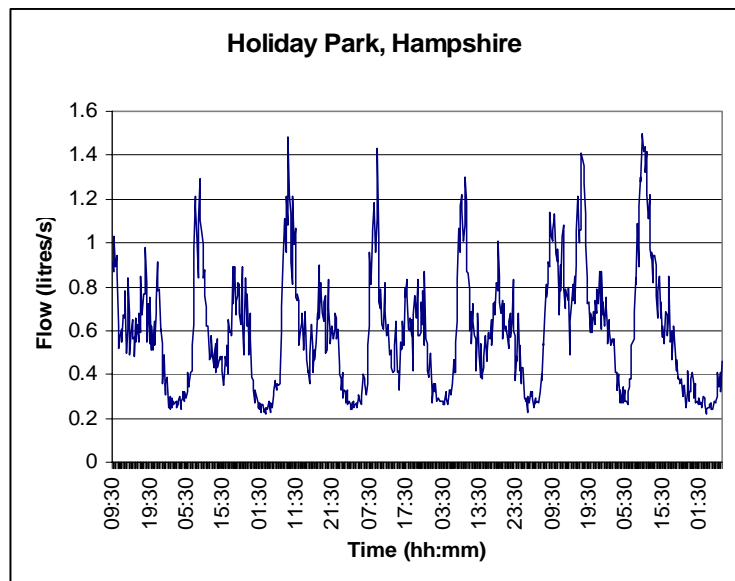
The water costs were found to be £7500 per annum and sewerage charges £14000 per annum at the 0.5 litres per second flow rate. Pipefix conducted an initial leak detection survey of the site and found 13 leaks requiring repair. The total cost of the leak detection and

repairs was £5200.

A flow log was used to measure the effectiveness of the initial series of repairs and determined that the losses had been reduced to 0.2 litres per second. Thus, the cost of water and sewerage services had been reduced by £12900 per annum.

The pay-back period for the work was approximately 5 months. Note that the calculation of leakage cost included the sewerage charges levied on the return of the "used" leak water to the sewer.

The results of the second log are shown above. More repairs were conducted to further reduce site leakage levels.



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